CLAIMS

1. A remote control method of a home network comprising:

setting a CP (Control Point) controlling devices connected to a

home network system at a home agent in the home network system

and at a remote CP of a remote terminal respectively; and

connecting the CP set at the home agent and the CP set at the

remote CP through a specific channel.

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system.

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2. The method of claim 1, wherein the home network system is based on a UPnP (Universal Plug and Play).

- 3. The method of claim 1, wherein the remote CP of the remote terminal controls devices through the home agent communicating with the devices connected to the home network
- 4. The method of claim 2, wherein, when the remote terminal
 has stacks of TCP/IP and HTTP, the home agent performs a function of
 a SSDP (Simple Service Discovery Protocol) and a GENA (Generic
 Event Notification Architecture) using an IP multicast, and the remote
 terminal performs functions of a series of a SOAP (Simple Object
 Access Protocol), a GENA and a user interface which include a UPnP

 25 API (Application Program Interface) function.

5. The method of claim 2, wherein, when the remote terminal has a WAP (Wireless Application Protocol) stack, the home agent performs a function of a SSDP and a GENA using an IP multicast and a WAP gateway function, and the remote terminal performs UPnP API, GENA* and SOAP* functions,

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wherein the SOAP* and the GENA* are a SOAP and a GENA included in the WAP stack.

- 10 6. The method of claim 5, wherein the WAP gateway function is separated from the home agent.
 - 7. The method of claim 5, wherein the WAP gateway function converts a SOAP* and a GENA* messages defined in WML (Wireless Markup Language) version into a SOAP and a GENA messages in an existing XML (Extensible Markup Language), and includes the converted messages in a HTTP.
- 8. A remote control system of a home network comprising:

 a home network;
 - a home agent communicating with devices connected to the home network and having a function of a CP used at the home network; and
- a remote CP set at a remote terminal and having a function of the CP,

wherein the CP of the home agent and the CP of the remote CP are connected through a specific channel.

- 9. The system of claim 8, wherein the home network is based on a UPnP (Universal Plug and Play).
 - 10. The system of claim 8, further comprising a user interface unit set at the remote terminal and providing an interface to a user.
- 10 11. The system of claim 8, wherein the home agent includes a UPnP protocol processor for an IP multicast.
 - 12. The system of claim 8, wherein, when the remote terminal has stacks of TCP/IP and HTTP, the home agent performs a function of a SSDP (Simple Service Discovery Protocol) and a GENA (Generic Event Notification Architecture) using an IP multicast, and the remote terminal performs functions of a series of the SOAP (Simple Object Access Protocol), the GENA and the user interface, which include a UPnP API (Application Program Interface) function.

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13. The system of claim 8, wherein, when the remote terminal has a WAP (Wireless Application Protocol) stack, the home agent performs a function of a SSDP and a GENA using an IP multicast and a WAP gateway function, and the remote terminal performs UPnP API, GENA* and SOAP* functions.

wherein the SOAP* and the GENA* are a SOAP and a GENA included in the WAP stack.

- 14. The system of claim 13, wherein the WAP gateway
 function is separated from the home agent so as to exist at an external network.
- 15. The system of claim 13, wherein the WAP gateway function converts a SOAP* and a GENA* messages defined in WML

 (Wireless Markup Language) version into a SOAP and a GENA messages in a XML (Extensible Markup Language), and includes the converted messages in an HTTP.
 - 16. A system for remotely controlling devices connected to a home network comprising:

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- a UPnP(Universal Plug and Play)-based home network;
- a home agent communicating with devices in the home network and having a function of a UPnP CP (Control Point) used at the UPnP-based home network;
- a remote CP set at the remote terminal and having a function of a UPnP CP; and
 - a user interface unit set at the remote terminal and providing an interface to a user,
- wherein, the UPnP CP of the home agent and the UPnP CP of the remote CP are connected through a specific channel.

17. The system of claim 16, wherein, when the remote terminal has stacks of TCP/IP and HTTP, the home agent performs a function of a SSDP (Simple Service Discovery Protocol) and a GENA (Generic Event Notification Architecture) using an IP multicast, and the remote terminal performs functions of a series of the SOAP (Simple Object Access Protocol), the GENA and the user interface including a UPnP API (Application Program Interface) function.

- 18. The system of claim 16, wherein, when the remote terminal has a WAP (Wireless Application Protocol) stack, the home agent performs a function of a SSDP and a GENA using an IP multicast and a WAP gateway function, and the remote terminal performs UPnP API, GENA* and SOAP* functions,
- wherein the SOAP* and the GENA* are a SOAP and a GENA included in the WAP stack.
 - 19. The system of claim 18, the WAP gateway function is separated from the home agent.

20. The system of claim 18, the WAP gateway function

Markup Language) version into a SOAP and a GENA messages in a

converts a SOAP* and a GENA* messages defined in WML (Wireless

XML (Extensible Markup Language), and includes the converted

messages in a HTTP.

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21. In a home network system performing a remote control by using a local CP, the local CP of the home network monitors whether a remote CP is enabled, and determines whether to transfer an authority for controlling UPnP devices on the basis of the monitoring result.

- 22. The local CP of claim 21, further comprising a step of obtaining state information from the remote CP.
- 23. The local CP of claim 22, further comprising a step of determining a range of an authority transfer on the basis of the received state information from the remote CP.
 - 24. In a home network system performing a remote control by using a local CP, the local CP discovers devices connected in a local home network, stores information of the discovered devices, monitors whether a remote CP is connected to the local home network, and transmits the stored information to the remote CP on the basis of the monitoring result.

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25. In a home network system performing a remote control by using a remote CP, the remote CP checks whether the remote CP can be connected to a local home network, connects itself to the home network on the basis of the check result, and transmits its state information when it is connected to the home network.

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26. In a home network system performing a remote control by using a remote CP, the remote CP receives device information from a local CP and controls a device connected to the home network system on the basis of the received information.

- 27. The remote CP of claim 26, wherein the remote CP directly controls the device.
- 28. The remote CP of claim 26, wherein the remote CP controls the device through the local CP.